

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/010666

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H03H7/20, H01P1/12, H01H59/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H03H7/20, H01P1/12, H01H59/00, H03H7/18, H03H11/18, H03H11/20, H03H7/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI/L, JOIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 1-202007 A (Toshiba Corp.), 15 August, 1989 (15.08.89), Page 3, upper left column, line 3 to lower left column, line 5; Figs. 1, 2 (Family: none)	9 1-8, 10-19
Y	JP 48-102548 A (NEC Corp.), 22 December, 1973 (22.12.73), Page 2, upper right column; Fig. 5 (Family: none)	1
Y	JP 2001-339276 A (Mitsubishi Electric Corp.), 07 December, 2001 (07.12.01), Par. Nos. [0017] to [0019]; Figs. 2 to 4 (Family: none)	1



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
15 October, 2004 (15.10.04)

Date of mailing of the international search report
02 November, 2004 (02.11.04)

Name and mailing address of the ISA/
Japanese Patent Office

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INTERNATIONAL SEARCH REPORT

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PCT/JP2004/010666

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 8-250963 A (Mitsubishi Electric Corp.), 27 September, 1996 (27.09.96), Par. Nos. [0069] to [0071], [0078] to [0080] & EP 732808 A2 & US 5701107 A & DE 69628607 E	2
Y	JP 2002-344201 A (Mitsubishi Electric Corp.), 29 November, 2002 (29.11.02), Figs. 1, 7 & WO 2002/93743 A1 & US 2004/0145429 A1	3, 4
Y	WO 2002/056467 A1 (Mitsubishi Electric Corp.), 18 July, 2002 (18.07.02), Page 8, lines 3 to 24; Fig. 7 & US 2003/0020563 A1 & EP 1351388 A1	5-8
Y	Masashi NAKATANI et al., "Bisai Kako Cavity Kozo o Mochiita CPW MEMS Switch no Sekkei", 2003 Nen The Institute of Electronics, Information and Communication Engineers Electronics Society Taikai Koen Ronbunshu 1, 10 September, 2003 (10.09.03), C-2-2, page 26, full text, all drawings	10, 12
Y	JP 2004-48176 A (Mitsubishi Electric Corp.), 12 February, 2004 (12.02.04), Full text; all drawings (Family: none)	10, 11, 13
A	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 68461/1993 (Laid-open No. 33026/1995) (Japan Radio Co., Ltd.), 16 June, 1995 (16.06.95), (Family: none)	1-19